



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
MASAHIKO KUBOTA ET AL. ) : Examiner: Unassigned  
Application No.: 10/614,029 ) : Group Art Unit: Unassigned  
Filed: July 8, 2003 ) :  
For: LIQUID DISCHARGE HEAD AND )  
METHOD FOR MANUFACTURING ) :  
RECORDING HEAD ) October 8, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Application, a copy of which is enclosed:

| <u>Application Number</u> | <u>Inventor(s)</u>               | <u>Filing Date</u> | <u>Group Art Unit</u> | <u>Status</u> |
|---------------------------|----------------------------------|--------------------|-----------------------|---------------|
| 10/613,992                | Masahiko Kubota<br>Wataru Hiyama | July 8, 2003       | Unassigned            | Pending       |

Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455 and 61-249768 are discussed at page 3 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10941 is discussed at pages 3 and 16 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent Nos. 4,882,595 and 6,158,843 are discussed at page 6 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10940 is discussed at page 16 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent Nos. 5,218,376 and 6,155,673 are U.S. counterparts to Japanese Patent Application Laid-Open Nos. 4-10940 and 4-10941.

Abstracts for Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455, 61-249768, 4-10940 and 4-10941, obtained from a commercial database, are enclosed for the Examiner's convenience.

#### FORMAL MATTERS

In accordance with 37 C.F.R. §1.97(b), since this Information Disclosure Statement is being filed within three months of the filing date of the subject application, neither a

statement under 37 C.F.R. §1.97(e) nor payment of a fee is required for consideration of this Information Disclosure Statement.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

  
\_\_\_\_\_  
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DWP/tmc



FORM PTAB TRADEMARK (if filed)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

October 8, 2003

ATTY DOCKET NO.  
03500.017373APPLICATION NO.  
10/614,029APPLICANT  
**MASAHIKO KUBOTA ET AL.**FILING DATE  
**July 8, 2003**GROUP  
**Unassigned**

## U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE    | NAME            | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|-------------------|-----------------|---------|-----------------|-------|----------|----------------------------|
|                   | 4,882,595       | 11/1989 | Trueba et al.   |       |          |                            |
|                   | 5,218,376       | 06/1993 | Asai            |       |          |                            |
|                   | 6,155,673       | 12/2000 | Nakajima et al. |       |          |                            |
|                   | 6,158,843       | 12/2000 | Murthy et al.   |       |          |                            |
|                   | 6,426,481 B1    | 07/2002 | Koide et al.    |       |          |                            |
|                   | 6,472,125 B1    | 10/2002 | Koide et al.    |       |          |                            |
|                   | 2003/0011655 A1 | 01/2003 | Miyagawa et al. |       |          |                            |
|                   | 2003/0016270 A1 | 01/2003 | Kubota et al.   |       |          |                            |
|                   | 2003/0030702 A1 | 02/2003 | Komuro et al.   |       |          |                            |
|                   |                 |         |                 |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--|-----------------|---------|---------|-------|----------|---------------------------------|
|  | JP 54-161935    | 12/1979 | Japan   |       |          | Abstract                        |
|  | JP 61-185455    | 08/1986 | Japan   |       |          | Abstract                        |
|  | JP 61-249768    | 11/1986 | Japan   |       |          | Abstract                        |
|  | JP 4-10940      | 01/1992 | Japan   |       |          | Abstract*                       |
|  | JP 4-10941      | 01/1992 | Japan   |       |          | Abstract*                       |
|  |                 |         |         |       |          |                                 |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

\*Note: U.S. counterpart patents also submitted (see text of IDS).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.  
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Sheet 1 of 1